

TEMPORARY

72138T

AMENDED APPLICATION FOR PERMISSION TO CHANGE POINT OF DIVERSION, MANNER OF USE AND PLACE OF USE OF THE PUBLIC WATERS OF THE STATE OF NEVADA HERETOFORE APPROPRIATED

Date of filing in State Engineer's Office JAN 20 2005
Returned to applicant for correction FEB 11 2005
Corrected application filed APR 12 2005
Map filed APR 12 2005

The applicant **Bunkerville Irrigation Company** hereby make application for permission to change the **Point of Diversion, Place of Use and Manner of Use** of water heretofore appropriated under a portion of Permit No. 13222, Certificate 3509

1. The source of water is **Virgin River**
2. The amount of water to be changed **100.64 acre-feet, 0.339 cfs**
3. The water to be used for **Hydrologic Testing**
4. The water heretofore permitted for **Irrigation & Domestic**
5. The water is to be diverted at the following point **NE¼ SE¼, Section 6, T.15S., R.69E., M.D.B.&M., or At a point from the NW corner of said Section 6, T.15S., R.69E., M.D.B.&M. bears N. 59° 54' 40" W. a distance of 5905.4 feet Point of Diversion located at Latitude 36° 39' 29.68573" N Longitude 114° 18' 43.96864" W**
6. The existing permitted point of diversion is located within **NE¼ NW¼ Section 21, T.13S., R.71E., M.D.B.&M., or at a point from which the SW Corner of Section 20, T.13S., R.71E., bears S. 56° 15' W., 8,325.00 feet.**
7. Proposed place of use **NE¼ Section 6, T.15S., R.69E. M.D.B.&M. on a 5 acre portion of Clark County Assessor's parcel 039060000003 Water will be temporarily use for irrigation for hydrologic testing to study the interaction between the Virgin River and Quaternary river sediments directly adjacent to the Virgin River Flood plain. Anticipated duration of the hydrologic testing is 14 days.**
8. Existing place of use **SEE ATTACHED SHEET**
9. Use will be from **January 1 to December 31** of each year.
10. Use was permitted from **January 1 to December 31** of each year.
11. Description of proposed works **Diversion of Virgin River water via 100-foot test well 12-inch diameter PVC test well completed in Virgin River sediments**
12. Estimated cost of works **\$60,000**
13. Estimated time required to construct works **1 year through a 12-inch diameter PVC well completed only in Virgin River alluvium for hydrologic testing studying the surface/ground water interaction.**
14. Estimated time required to complete the application of water to beneficial use **1 year**

15. Remarks: The 12-inch diameter, 100-foot in depth test well will be used temporarily to determine hydrologic properties associated the holocene Virgin River Aquifer and feasibility testing for installation of a prototype Ranney collector well in the vicinity of Halfway Wash. Test well will assisting in quantifying the surface/ground water interaction on the flood plain of the Virgin River. Test well located at Lat. 36° 39' 29.68573" N Long. 114° 18' 43.96864" W.

By Michael Johnson, Agent for Bunkerville Irrigation Co.
s/ Michael Johnson
500 Riverside Road
Mesquite, NV 89027

Compared gkl/ SC 1t/ gkl
Protested

APPROVAL OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

This temporary permit to change the point of diversion, place of use and manner of use of a portion of the waters of the Virgin River as heretofore granted under Permit 13222, Certificate 3509 is issued subject to the terms and conditions imposed in said Permit 13222, Certificate 3509 and with the understanding that no other rights on the source will be affected by the change proposed herein. The infiltration well shall be equipped with a 2-inch opening and a totalizing meter must be installed and maintained in the discharge pipeline near the point of diversion and accurate measurements must be kept of water placed to beneficial use.

This temporary permit does not extend the permittee the right of ingress and egress on public, private or corporate lands.

The issuance of this temporary permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies.

This temporary permit is issued pursuant to the provisions of NRS 533.345 Section 2 and will expire on July 4, 2006 at which time all rights herein granted shall revert to the right being changed by this temporary permit.

Before any water can be pumped from the infiltration well, the well design must be approved by the State Engineer.

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed 0.339 cubic feet per second, not to exceed 100.64 acre-feet annually

(Continued on Page 3)

Work must be prosecuted with reasonable diligence and be completed on or before:

Proof of completion of work shall be filed on or before:

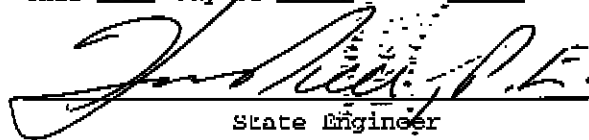
Water must be placed to beneficial use on or before:

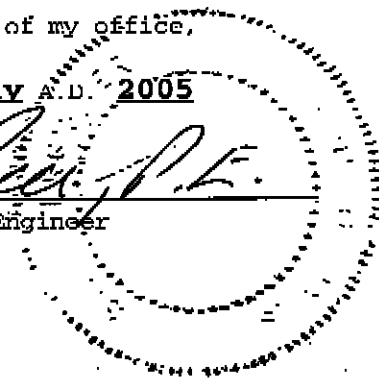
Proof of the application of water to beneficial use shall be filed on or before:

Map in support of proof of beneficial use shall be filed on or before:

TEMPORARY

IN TESTIMONY WHEREOF, I, HUGH RICCI, P.E.,
State Engineer of Nevada, have hereunto set
my hand and the seal of my office,
this 5th day of July A.D. 2005


State Engineer



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